

# Rackmount - Inverters

These inverters provide seamless back-up power for AC powered communications equipment from the site's 48 or 24 VDC battery system. A fast-acting transfer switch ensures voice and data transmissions remain uninterrupted in the event of a power grid failure or if the site utility power is disconnected for maintenance and upgrade purposes. Built in a 2RU case adaptable for 19" and 23" rack installations.



## Features

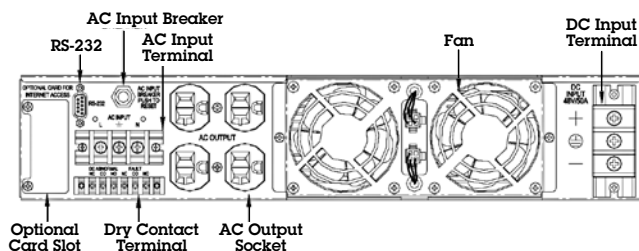
- Pure sine wave AC output powers telecom equipment without performance degradation
- Continuous duty rated – full output wattage maintained even during extended power outages
- 1000 VA and 2000 VA models available – easily cascaded for N+1 redundancy, providing maximum reliability required by data centers
- Low EMI and RFI interference characteristics
- User-friendly Status and Diagnostic LCD/LED displays
- Utility bypass function with fast load transfer switch
- Remote Power Management optional via RS-232 port
- Optional SNMP card
- Numerous circuit and load protections – over-current, over-temp, overload, reverse polarity, high/low battery voltage
- Form C alarm contacts for monitoring AC "Fault" and "DC Abnormal" conditions
- UL and cUL listed

## Mechanical

**Dimensions:** 17.4"W x 3.5"H x 11.6"D

**Mounting:** 19" or 23" Rack

### Rear View



## AC Characteristics

**Voltage:** 100/110/115/120 VAC (selectable using RS-232 port and additional software); Factory set at 115 VAC

**Frequency:** 60 Hz. Standard, 50 Hz. Optional

**Regulation:** +/- 2%

**Wave Form:** Pure Sine

**Total Harmonic Distortion:** 6% 120V/100% linear load 4% 120V/100% SPS load

**Transfer Time:** <4 ms.

## Specifications

Model	DC Input		AC Output		Weight (lbs.)
	Voltage	Amps	KVA	WATTS	
48-1000RM	40-60	25	1 KVA	800	15.4
48-2000RM	40-60	50	2 KVA	1600	17.6
24-1000RM	20-30	50	1 KVA	800	15.4
125-1000RM	100-150	10	1 KVA	800	15.4
125-2000RM	100-150	20	2 KVA	1600	17.6
48-1000IRM*	40-60	25	1 KVA	800	15.4
48-2000IRM*	40-60	50	2 KVA	1600	17.6

\* I series models use IEC type AC output connector

## Displays

**LED:** Inverter On, Overload, DC Abnormal, Fault

**LCD:** Inverter On, Output Voltage and Frequency, Input Voltage, Load Percentage, DC Voltage, System Model, Internal Environment Temperature, Utility Status, Short Circuit, Over Temperature

**Operating Temperature:** 0° to 45° C

**Cooling:** Forced air, front-to-back

**Humidity:** 0-90% relative humidity

**Acoustic Noise:** 46 dBA @ 1 M

## Alarms

Form C (Dry Contact) terminals (two sets – "DC ABNORMAL" and "FAULT")

## Communication Interface

RS-232 port, serial cable included

## Protection Features

DC Input Fuse and Breaker, AC Input Breaker, Output Breaker, Short Circuit, Overload, Over Temperature, Over/Under Output Voltage, Over/Under Input Voltage, Fan Failure Detection

## Options

Remote monitor via RS 232 port. SNMP card required.



Powering the Network